| • | INDEX OF CIAIMS                                    |           |               |            |           |          |             |         |  |                      |                |          |         |                    |                        |          |                     |             |                   |     |          |            |          | Reexamination |                    |                 |          |         |         |            |   |  |
|---|--|-----------|---------------|------------|-----------|----------|-------------|---------|--|----------------------|----------------|----------|---------|--------------------|------------------------|----------|---------------------|-------------|-------------------|-----|----------|------------|----------|---------------|--------------------|-----------------|----------|---------|---------|------------|---|--|
|   |  |           |               |            |           |          |             |         |  |                      |                |          |         | 1                  | 10/509,781<br>Examiner |          |                     |             |                   |     |          |            |          |               | LOWE ET AL.        |                 |          |         |         |            |   |  |
|   |  |           |               |            |           |          |             |         |  |                      |                |          |         | E                  |                        |          |                     |             |                   |     |          |            |          |               | Uni                | t               |          |         |         |            |   |  |
|   | LAMPAN CAN I BERREAM TANA LAMI LAMI LAMI LAMI LAMI |           |               |            |           |          |             |         |  |                      |                |          |         |                    | Brian I Since          |          |                     |             |                   |     |          |            |          |               |                    |                 |          |         | 1       |            |   |  |
|   |  |           |               |            |           |          |             |         |  |                      |                |          |         |                    | Brian J. Sines         |          |                     |             |                   |     |          |            |          |               | 13                 |                 |          |         |         |            |   |  |
|   |  |           |               |            |           |          |             |         |  |                      |                |          |         |                    |                        |          |                     |             |                   |     |          |            |          |               |                    |                 |          | _       |         |            |   |  |
|   | V Rejected - (Through numera                       |           |               |            |           |          |             |         |  |                      |                |          |         | eral)              |                        |          |                     | Non-Elected |                   |     | d        |            | ۱.۱      | Appeal        |                    |                 |          |         |         |            |   |  |
|   |  |           |               |            |           |          |             |         | L  | Cancelled            |                |          |         |                    | N Non-Elected          |          |                     |             |                   | Δ   |          | 777        |          | _             | ┛                  |                 |          |         |         |            |   |  |
|   | - Allawad  |           |               |            |           |          |             |         | 1.   | Bontsleted .         |                |          |         |                    |                        |          | ١.١                 | 1-4-4       |                   |     | _        |            | o        | Objected      |                    |                 |          | 1       |         |            |   |  |
|   | = Allowed  |           |               |            |           |          |             |         |  | + Restricted         |                |          |         |                    | I Interference         |          |                     |             |                   | •   | ľ        | •          | Юје      | CLB           | a                  |                 |          |         |         |            |   |  |
|   |  |           |               |            |           |          |             |         |  |                      |                |          |         |                    |                        |          |                     |             |                   |     |          |            |          |               |                    |                 |          | _       |         |            |   |  |
|   | C  | alm       | 2             | 8 Date     |           |          |             | _       |  |                      | Claim          |          |         |                    |                        | Date     |                     |             | $\Box$            |     | Ctaim    |            | L        | Date          |                    |                 |          |         | ]       |            |   |  |
|   | I _  | ਜ਼ੁ       | 150           | 2          |           | 1        | - 1         | -       |  |                      |                | ᇹ        |         |                    | 1 1                    |          |                     |             | 11                | 1   | _        | <b>a</b>   |          | -             |                    |                 | Į        |         |         |            |   |  |
|   | Fig  | Original  | 12            | KΝ         |           | - [      | - 1         | -       |  |                      | First          | Original |         |                    |                        |          |                     | - [         | 1                 | 1   | Final    | Original   |          | 1             |                    |                 | ŀ        | -       |         |            |   |  |
|   | 1 "  | γō        | $\mathcal{Z}$ | ${\cal H}$ | - 1       | - 1      |             | -1      |  | 11                   | .   -          | ō        | 1       |                    |                        |          |                     | - 1         | 11                | 1   | ٠,       | ō          |          |               |                    | H               |          |         |         | İ          |   |  |
|   |  | U         | U             |            | 一         | 寸        | 7           | 十       | +  | H                    |                | 51       | 十       | $\top$             |                        | Н        | $\overline{}$       | $\neg$      | П                 | ┢   | 7        | 101        | П        | _             | 1                  | H               | ┪        | +       | +       | 1          |   |  |
|   |  | 2         |               | V          |           | $\Box$   |             | $\Box$  | L  | $\square$            |                | 52       | $\perp$ | $oldsymbol{\perp}$ |                        |          |                     |             | $\Box$            | . [ |          | 102        |          | $\perp$       |                    |                 | $\Box$   |         | $\perp$ | ]          |   |  |
|   | _  | 3         |               | Y          | Ц         | 4        | 4           | 4       | 4  | ┦┤                   | <u> </u>       | 53       | 4       | 4                  | Ŀ                      | Н        | -                   | +           | H                 | -   |          | 103        | Н        |               | ╄-                 | Н               |          | +       | 4       | 4          |   |  |
|   | -  | 5         |               | X          | $\dashv$  | -        | +           | ╬       | ╫  | Н                    | $\vdash$       | 54<br>55 | ┿       | +                  | Н                      | Н        | $\dashv$            | +           | ╂┤                | ┢   |          | 104<br>105 | Н        | +             | $\vdash$           | Н               | -        | +       | ┿       | ┨          |   |  |
|   | <u> </u>   | 6         | H             | Ÿ          | $\dashv$  | ┪        | 十           | ┰       | ╅  | H                    | $\vdash$       | 56       | 十       | ╅                  | Н                      | H        | +                   | 十           | Н                 | ۲   | $\dashv$ | 108        | Н        | ╅             | H                  | Н               | 7        | +       | ┿       | †          |   |  |
|   |  | 7         |               | V          |           | ╛        | 工           | : 1     | 土  | 口                    |                | 57       | 士       | 工                  |                        |          |                     |             | 口                 |     |          | 107        |          |               |                    |                 | ╛        |         |         | ]          |   |  |
|   |  | 8         | 7             |            | $\Box$    | $\Box$   | $\Box$      | $\perp$ | ightharpoonup  | $\Box$               |                | 58       | $\perp$ |                    |                        |          |                     |             |                   | Į.  |          | 108        |          |               |                    |                 | $\Box$   | $\perp$ | $\perp$ | ] :        |   |  |
|   | -  |           | 亿             | K          | $\dashv$  | 4        | +           | +       | ╀  | Н                    | <u> </u>       | 59<br>60 | +       | +                  | Н                      | Н        | $\dashv$            | +           | ₩                 | ⊦   |          | 109        | $\vdash$ | +             | $\vdash$           | Н               | $\dashv$ | 4       | +-      | 4          |   |  |
| • | <u> </u>   |           | Н             | Н          | +         | ┥        | $\dashv$    | ╅       | ╁  | ╁┤                   | $\vdash$       | 61       | ┿       | +-                 | ⊢                      | Н        |                     | +           | Н                 | ┢   |          | 110<br>111 | H        | -             | ╁                  | Н               | $\dashv$ | +       | ╂╾      | <b>∤</b> · |   |  |
|   | -  | 12        | Н             |            | ┪         | ┪        | 十           | ╅       | ╅  | H                    |                | 62       | +       | 十                  | Н                      | Н        | 7                   | $\top$      | T                 |     |          | 112        | $\Box$   | - -           |                    | H               | 7        | ╅       | 十       | 1          |   |  |
|   |  | 13        |               |            | Ī         | ╗        | Ť           | 1       | 1  | П                    |                | 63       | $\Box$  | 工                  |                        |          |                     |             | 口                 |     | T.       | 113        |          |               |                    |                 |          |         | T       | 1          |   |  |
|   | 匚  | 14        | $\Box$        |            | $\Box$    | ユ        | $\Box$      | $\perp$ |  | $\Box$               |                | 64       | _       | $\bot$             | Ц                      |          | $\Box$              | 1           | П                 |     |          | 114        | Ц        | $\perp$       | $\perp$            |                 | _        | 4       | 1       | 1          |   |  |
|   | $\vdash$   | 15        | $\vdash$      | Ц          | 1         | 4        | +           | 4       | +  | +                    | $\vdash$       | 65<br>66 |         | +-                 | ┡                      |          |                     | +           | H                 | -   |          | 115<br>116 | Н        | +             | ╀                  | Н               | -        | 4       | ┿       | 4          |   |  |
|   | 1-   | 17        | $\vdash$      | Н          | Н         | ┪        | ╅           | ╅       | ╅  | Н                    | <del>  -</del> | 67       | ╅       | ┿                  | ╁                      | Н        | $\vdash$            | ╅           | Н                 | H   |          | 117        | Н        | +             | ╁                  | H               | -        | +       | ╁       | ┨.         |   |  |
|   |  | 18        | Н             | П          | $\dashv$  | ┪        | ┪           | 十       | 十  | Н                    |                | 68       | ┪       | Τ.                 | П                      | Н        | Н                   | 十           | Ħ                 | t   |          | 118        | П        | +             | 1                  | H               | ┪        | 十       | T       | 1.         |   |  |
|   |  | 19        |               |            |           |          | $\Box$      |         |  | $\square$            |                | 69       |         |                    |                        |          |                     |             |                   |     |          | 119        | $\Box$   |               |                    |                 | $\Box$   | $\Box$  | L       | ]          |   |  |
|   |  | 20        |               |            | $\Box$    | 4        | _           | 4       |  | Ц                    |                | 70       | .       | 1                  | Ш                      |          | П                   |             | П                 | L   |          | 120        | Ш        |               | $oldsymbol{\perp}$ | Ц               |          | 4       | $\perp$ | ]          |   |  |
|   | ⊬  | 21        |               | Н          | $\dashv$  | 4        | +           | ╬       | +  | ┦┤                   |                | 71<br>72 | +       | ┿                  | Н                      | $\dashv$ | $\vdash$            |             | ╂╌┤               | ╌   | -        | 121<br>122 | ┦        | -             | ╀                  | Н               | ┥        | -       | ╫       | 4          |   |  |
|   | $\vdash$   | 23        |               | Н          | H         | ┪        | +           | +       | ╁  | Н                    | -              | 73       | ╅       | ┽                  | Н                      | -        | $\vdash$            | +           | Н                 | H   |          | 123        | Н        | +             | ╁                  | Н               | ┪        | ┰       | 十       | 1          |   |  |
|   |  | 24        |               |            | ┪         | T        |             | 1       | t  | П                    |                | 74       |         |                    |                        |          |                     |             | $oldsymbol{\Box}$ |     |          | 124        |          |               |                    |                 | ┪        | $\top$  | 1       | 1          |   |  |
|   |  | 25        |               |            |           | $\Box$   | $\sqsupset$ | Ŀ       |  | $\square$            |                | 75       | $\Box$  |                    |                        |          |                     | $\perp$     | $\square$         |     |          | 125        |          |               |                    |                 | $\Box$   | $\Box$  | T       | ] .        |   |  |
|   | 1  | 26        | L             | Н          | $\dashv$  | _}       | 4           | 4       | 4-   | $\boldsymbol{arphi}$ | <b> </b>       | 76<br>77 | 4       | 4                  | ₽                      | Н        | $\dashv$            | -           | ╀┤                | -   | _        | 126<br>127 | Н        | +             |                    | Н               | 4        | 4       | 4-      | 4          |   |  |
|   | -  | 27.<br>28 | -             | Н          | $\dashv$  | $\dashv$ | +           | ┰       | ╫  | Н                    | -              | 78       | ┿       | ╁                  | ╁                      | Н        | Н                   | ╫           | Н                 | -   |          | 128        | $\vdash$ | ╫             | ╁                  | Н               | ┪        | ╬       | ╁       | 1          | • |  |
|   |  | 29        | Н             | Н          | ┪         | ┪        | 7           | +       | ┿  | Н                    |                | 79       | 十       | +                  | Н                      | Н        | $\Box$              | 十           | H                 |     | _        | 129        | H        | $\dashv$      | 1-                 | Н               | ┪        | 十       | T       | 1          |   |  |
|   |  | 30        |               |            |           | $\Box$   | $\Box$      | 1       | T  |                      |                | 80       |         | I                  |                        |          |                     |             | Ш                 |     |          | 130        |          |               |                    |                 | $\Box$   |         |         | 1          |   |  |
|   |  | 31        |               | Г          | $\Box$    | $\dashv$ | $\dashv$    | 1       | 1  | П                    |                | 81       | _       | $\perp$            |                        | П        | $\Box$              |             | П                 |     |          | 131        | Ц        |               | $\perp$            | П               | $\dashv$ | $\perp$ | L       | ]          |   |  |
|   | -  | 32        | L             | Н          | $\dashv$  | 4        | 4           | +       | ╀  | Н                    | _              | 82<br>83 | +       | ╇                  | H                      |          | $\vdash$            | +-          | +                 | ŀ   |          | 132<br>133 | Н        | +             | ŀ                  | Н               | -        | +       | ╀       | 4          |   |  |
|   | $\vdash$   | 33        | Н             | Н          | $\dashv$  | ┪        | $\dashv$    | +       | ╁  | Н                    | -              | 84       | +       | ╅                  | Н                      | Н        | Н                   | +           | Н                 | ተ   | -        | 133<br>134 | Н        | +             | ╁                  | H               | ┪        | +       | ┿       | ┨          |   |  |
| • | -  | 35        |               | Н          | $\Box$    | 寸        | 1           | +       | 十  | Н                    |                | 85       | _       | +                  | Н                      |          |                     | 十           | Н                 | r   |          | 135        |          | ٦.            |                    | П               | 7        | 1       | 1       | 1          |   |  |
|   |  | 36        |               |            |           | $\Box$   |             | $\Box$  | $oldsymbol{ol}}}}}}}}}}}}$ | $\square$            |                | 86       | 1       | I                  |                        |          |                     | $\perp$     |                   |     |          | 136        |          |               |                    |                 | $\Box$   |         | Ŀ       | ]          |   |  |
|   | $\vdash$   | 37        | Щ.            | Н          | Н         | 4        | 4           | 4       | 4  | Н                    |                | 87       | 4       | 4                  | Н                      | Щ        | Н                   | 4           | ┦                 | L   |          | 137        | Н        |               | ╄                  | Щ               | _        | 4       | 4       | 4          |   |  |
|   | -  | 38        | H             | Н          | Н         | -+       | +           | ┿       | ╀  | Н                    | -              | 88<br>89 | +       | +                  | Н                      | Н        | $\vdash$            | ╬           | ₩                 | ⊢   |          | 138<br>139 | $\vdash$ | ÷             | +                  | Н               |          | +       | ┿       |            |   |  |
|   | 1  | 40        | Н             | Н          | H         | $\dashv$ | +           | ╅       | ╬  | Н                    | -              | 80       | 十       | ┿                  | Н                      | Н        | H                   | ╅           | ╁┤                | H   |          | 140        | Н        | +             | +                  | Н               | ┪        | ╅       | +       | 1          |   |  |
|   |  | 41        |               | П          | ╛         | ⇉        | 士           | _       | ╛  | П                    |                | 91       | 士       | 工                  |                        | П        | 口                   | 士           | M                 | r   |          | 141        |          | 士             |                    | П               | ╛        | 士       | 1       | 1          |   |  |
|   |  | 42        | 匚             | $\Box$     | $\square$ | $\Box$   | $\Box$      | Ţ       | Ţ  | П                    |                | 92       | $\Box$  | T                  |                        | П        | П                   | T           | П                 |     |          | 142        | 口        | I             | L                  |                 | $\Box$   | I       | I       | ]          |   |  |
|   | -  | 43        | L             | Щ          | Ц         | 4        | 4           | 4       | +  | $\dashv$             | -              | 93       | +       | -                  | $\vdash$               | $\vdash$ | $\vdash \downarrow$ | _           | H                 | -   |          | 143        | Н        |               | $\perp$            | Ш               | 4        | 4       | $\perp$ | 4          |   |  |
|   | -  | 44        | H             | Н          | $\dashv$  | $\dashv$ | ┽           | +       | +  | H                    | -              | 94<br>95 | +       | +                  | ╁┤                     | Н        | $\vdash$            |             | ╂╌┨               | -   |          | 144<br>145 | ┝╌┥      | +             | ╂╾                 | $\vdash \vdash$ | +        | +       | ╁       | ┪          |   |  |
|   | $\vdash$   | 46        | Н             | H          | H         | ┪        | 十           | +       | 十  | ╆┥                   | 1              | 96       | 十       | +                  | Н                      | Н        | $\dashv$            | +           | Н                 | H   |          | 145<br>146 | ┯        | -+-           | $\vdash$           | $\vdash \vdash$ | ┪        | 十       | 十       | 1 ·        |   |  |
|   |  | 47        | П             | П          | 口         | ∄        | 士           | _       | 士  | Ħ                    |                | 97       | 士       | 丁                  |                        |          | $\Box$              | 士           | Н                 | r   |          | 147        |          |               |                    | H               | _        | _       | 士       | 1 .        |   |  |
|   |  | 48        |               |            | $\Box$    | $\Box$   |             | I       | I  | П                    |                | 98       | I       | Τ                  |                        |          | $\Box$              |             | П                 |     |          | 148        |          |               |                    |                 |          | $\perp$ | Ι       | ]          |   |  |
|   |  | 49        |               | Щ          | Ц         | 4        | 4           | 4       | $\perp$  | ┦                    | <u> </u>       | 99       | $\bot$  | +                  | $\sqcup$               | Н        | $\sqcup$            | 4           | П                 |     |          | 149        |          | 4             | $\vdash$           | Ш               | 4        | 4       | 1       | Ι.         |   |  |
|   |  | 50        | 1             | L.I        | - 1       | - 1      |             |         | 1  | 1 1                  | L              | 100      | i       | L                  | 1                      | 니        | L_I                 | - 1         | 1                 | - 1 | ٠١,      | 150        | ı        |               |                    | 1 1             | - 1      | - 1     | 1       | 1 .        |   |  |

Application/Control No.

Applicant(s)/Patent under